

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A nonreciprocal circuit element comprising:
a magnetic plate having a plurality of through holes;
a plurality of center conductors crossing each other at a predetermined angle on a side associated with a first surface of the magnetic plate; and

a common electrode disposed on a side associated with a second surface of the magnetic plate and connected to the center conductors via the through holes,

wherein capacitors connected to first ends of the center conductors are disposed on the side associated with the first surface of the magnetic plate, and

a case is formed by a first yoke disposed on the side associated with the first surface of the magnetic plate, and a second yoke disposed on the side associated with the second surface of the magnetic plate so as to also function as a grounding electrode, the capacitors being connected to the second yoke via other through holes provided in the magnetic plate.

2. (Original) A nonreciprocal circuit element according to Claim 1, wherein the magnetic plate is contained in a case, and at least one of a vertical dimension and a horizontal dimension of the magnetic plate substantially coincides with a vertical dimension or a horizontal dimension of an interior of the case.

3-4. (Cancelled)

5. (Previously Presented) A nonreciprocal circuit element according to Claim 1, wherein terminal electrodes connected to first ends of the center conductors are engaged with side edges of the magnetic plate.

6. (Original) A nonreciprocal circuit element according to Claim 1, wherein the center conductors are formed, by printing, over the magnetic plate via insulating layers.

7. (Currently Amended) A nonreciprocal circuit element according to Claim 31, wherein an insulating spacer and a biasing permanent magnet are laminated on the side of the first surface of the magnetic plate, solder plating layers are formed on one surface, associated with the magnetic plate, of the insulating spacer, the solder plating layers electrically connecting the first ends of the center conductors to the capacitors and the terminal electrodes, respectively.

8. (Original) A nonreciprocal circuit element according to Claim 1, wherein the center conductors are formed on insulating films, and the insulating films are laminated over the magnetic plate with the center conductors facing the magnetic plate.

9. (Original) A nonreciprocal circuit element according to Claim 8, wherein the capacitors are disposed on the insulating films.

10. (Original) A nonreciprocal circuit element according to Claim 1, wherein a terminating resistor is connected to one of the center conductors.

11. (Previously Presented) A nonreciprocal circuit element according to Claim 10, wherein the terminating resistor is mounted on a yoke, and the terminating resistor is electrically connected to the center conductors via a solder plating layer formed on one surface, associated with the magnetic plate, of an insulating spacer.

12-15. (Cancelled)

16. (Previously Presented) A nonreciprocal circuit element comprising:

a magnetic plate having through holes;
a plurality of insulating layers;

a plurality of center conductors laminated together via the insulating layers, the center conductors disposed on a side associated with a first surface of the magnetic plate;

a common electrode formed on a side associated with a second surface of the magnetic plate,

capacitors disposed in proximity to first ends of the center conductors;

terminal electrodes engaged with side edges of the magnetic plate and adjacent to the first ends of the center conductors;

an insulating spacer having solder plating layers laminated over the magnetic plate such that the solder plating layers are opposed to the first ends of the center conductors,

wherein the solder plating layers electrically connect the first ends of the center conductors to the capacitors and the terminal electrodes.

17. (Previously Presented) A nonreciprocal circuit element according to Claim 16, wherein the center conductors are connected to the common electrode via the through holes.

18-19. (Cancelled)

20. (New) A nonreciprocal circuit element comprising:
a magnetic plate having a plurality of through holes;
a plurality of center conductors crossing each other at a predetermined angle on a side associated with a first surface of the magnetic plate; and

a common electrode disposed on a side associated with a second surface of the magnetic plate and connected to the center conductors via the through holes,

wherein capacitors connected to first ends of the center conductors are disposed on the side associated with the first surface of the magnetic plate, and

wherein an insulating spacer and a biasing permanent magnet are laminated on the side of the first surface of the magnetic plate, solder plating layers are formed on one surface, associated with the magnetic plate,

of the insulating spacer, the solder plating layers electrically connecting the first ends of the center conductors to the capacitors and the terminal electrodes, respectively.

21. (New) A nonreciprocal circuit element according to Claim 20, wherein the magnetic plate is contained in a case, and at least one of a vertical dimension and a horizontal dimension of the magnetic plate substantially coincides with a vertical dimension or a horizontal dimension of an interior of the case.

22. (New) A nonreciprocal circuit element according to Claim 20, wherein terminal electrodes connected to first ends of the center conductors are engaged with side edges of the magnetic plate.

23. (New) A nonreciprocal circuit element according to Claim 20, wherein the center conductors are formed, by printing, over the magnetic plate via insulating layers.

24. (New) A nonreciprocal circuit element according to Claim 20, wherein the center conductors are formed on insulating films, and the insulating films are laminated over the magnetic plate with the center conductors facing the magnetic plate.

25. (New) A nonreciprocal circuit element according to Claim 24, wherein the capacitors are disposed on the insulating films.

26. (New) A nonreciprocal circuit element according to Claim 20, wherein a terminating resistor is connected to one of the center conductors.

27. (New) A nonreciprocal circuit element according to Claim 26, wherein the terminating resistor is mounted on a yoke and is electrically connected to the center conductors via one of the solder plating layers.

28. (New) A nonreciprocal circuit element comprising:
a magnetic plate having a plurality of through holes;

a plurality of center conductors crossing each other at a predetermined angle on a side associated with a first surface of the magnetic plate; and

a common electrode disposed on a side associated with a second surface of the magnetic plate and connected to the center conductors via the through holes,

wherein a terminating resistor is connected to one of the center conductors, is mounted on a yoke, and is electrically connected to the center conductors via a solder plating layer formed on one surface, associated with the magnetic plate, of an insulating spacer.

29. (New) A nonreciprocal circuit element according to Claim 28, wherein the magnetic plate is contained in a case, and at least one of a vertical dimension and a horizontal dimension of the magnetic plate substantially coincides with a vertical dimension or a horizontal dimension of an interior of the case.

30. (New) A nonreciprocal circuit element according to Claim 28, wherein capacitors connected to first ends of the center conductors are disposed on the side associated with the first surface of the magnetic plate.

31. (New) A nonreciprocal circuit element according to Claim 28, wherein terminal electrodes connected to first ends of the center conductors are engaged with side edges of the magnetic plate.

32. (New) A nonreciprocal circuit element according to Claim 28, wherein the center conductors are formed, by printing, over the magnetic plate via insulating layers.

33. (New) A nonreciprocal circuit element according to Claim 28, wherein the center conductors are formed on insulating films, and the insulating films are laminated over the magnetic plate with the center conductors facing the magnetic plate.

34. (New) A nonreciprocal circuit element according to Claim 33, wherein capacitors are disposed on the insulating films.

35. (New) A nonreciprocal circuit element comprising:
a magnetic plate having a plurality of through holes;
a plurality of center conductors crossing each other at a
predetermined angle on a side associated with a first surface of the magnetic
plate; and

 a common electrode disposed on a side associated with a
second surface of the magnetic plate and connected to the center conductors
via the through holes,

 wherein the center conductors are formed on insulating films,
the insulating films are laminated over the magnetic plate with the center
conductors facing the magnetic plate, and capacitors are disposed on the
insulating films.

36. (New) A nonreciprocal circuit element according to Claim 35,
wherein the magnetic plate is contained in a case, and at least one of a
vertical dimension and a horizontal dimension of the magnetic plate
substantially coincides with a vertical dimension or a horizontal dimension of
an interior of the case.

37. (New) A nonreciprocal circuit element according to Claim 35,
wherein the capacitors are connected to first ends of the center conductors
and are disposed on the side associated with the first surface of the magnetic
plate.

38. (New) A nonreciprocal circuit element according to Claim 35,
wherein terminal electrodes connected to first ends of the center conductors
are engaged with side edges of the magnetic plate.

39. (New) A nonreciprocal circuit element according to Claim 35,
wherein the center conductors are formed, by printing, over the magnetic
plate via insulating layers.